

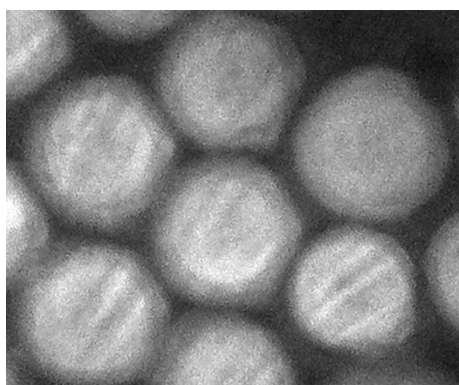
HYGIENE



PP/PE Round fibres

BICO-Round fibres are made with polyethylene and polypropylene combining the properties of 2 polymers in 1 fibre. The sheath made by polyethylene provides softness and the polypropylene in the core gives strength to the final fabric.

- Core: PP
- Sheath: PE



Key properties

- better softness
- good bonding
- high nonwoven strength
- low density

This fibre range is made of Polyethylene (PE) in the sheath and Polypropylene (PP) in the core. Based on the request of our customers the Core/Sheath ratios can be adjusted from a standard 50/50 to 70/30. To adjust the liquid performance according to our customer requests different finishes can be applied on the fibre.

BICO Round fibres provides the following upsides to the nonwovens:

- Due to the use of PE in the sheath the fibres provide a very good softness to the nonwoven. The low melting temperature of the PE is also exploited for the bonding in nonwoven constructions.
- PP is used as core in this bicomponent fibre-platform. It will provide the strength for the nonwoven and it comes phthalate-free. The opacity levels can be adjusted by adding TiO₂ in the fibre formulation.
- Different finishes can be used giving on the fibre to adapt it to the final application of the nonwoven (ie. permanent hydrophilic (PH) finishes are applied for uses in topsheets and hydrophobic finishes (PHOB) for uses in backsheets).

The fibres can be used for Calender Thermo Bonding or Air-Through Bonding technologies, but are also suitable for Spunlacing and Needle Punching.

Hygiene Fibres | BICO ROUND

Products specifications range

Titre	1,3 - 8,9 dtex
Cut Lengths (mm)	40 - 50 - 60
Cross section shape	Round

Finish options

PHIL	Standard Hydrophilic
PH	Permanent Hydrophilic
PH/HW	Permanent Hydrophilic and High Wicking
PHOB	Hydrophobic
PH BOTANICAL	Permanent Hydrophilic with Botanical Essences
SL	Finish suitable for Spunlace technology

Additives

Softness	
Opacity / Whiteness	

Melting Temperatures

PP (Phthalate-Free)	165 °C
PE	130 °C

The presented products portfolio complies with the worldwide safety regulations for hygiene applications and are not containing any hazardous ingredients for safety, according to the European directive 67/548/CEE; EC 1272/2008 (CLP); EC 1907/2006 (REACH). All the mentioned fibres are not cytotoxicity and are not skin irritating and are in compliance with Oeko-Tex Standard 100 Normative, Class I and Class II.

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